AMENDMENTS TO THE CLAIMS

Claims 1-31. (Canceled)

32. (New)   A moving picture stream generation apparatus which generates a stream including pictures which constitute a moving picture, said moving picture stream generation apparatus comprising:

a coding unit operable to code supplemental information included in a random access unit, the random access unit including a group of pictures which belong to the pictures starting with a first I picture which is a first random access point and ending with a picture located immediately-before a second I picture which is a second random access point, the supplemental information indicating pieces of picture type information of the group of pictures, and the pieces of picture type information being placed in an order that corresponds to a decoding order of the group of pictures; and

a generation unit operable to generate a moving picture stream by adding the coded supplemental information to a coded picture corresponding to the first I picture.

33. (New)   The moving picture stream generation apparatus according to Claim 32,
wherein said generation unit is operable to place the supplemental information at a place before a basic storage unit in which pixel data is the first I picture is stored.

34. (New)   The moving picture stream generation apparatus according to Claim 33,
wherein the pieces of picture type information of the group of pictures include at least: an I picture on which intra coding is performed; a P picture on which inter coding is performed with reference to a picture per block, the block being a basic unit in coding; a B picture on which inter coding is performed with reference to two pictures per block, and which can be referred to by an other picture; and a B picture which cannot be referred to by an other picture.

35. (New)   A moving picture decoding apparatus which decodes a stream including coded pictures which constitute a moving picture and plays back the decoded stream, said moving picture decoding apparatus comprising:

an instruction obtainment unit operable to obtain an instruction indicating that trick-play should be performed;

an analysis unit operable to analyze supplemental information per random access unit by demultiplexing the supplemental information, the random access unit including a group of pictures which belong to the pictures starting with a first I picture which is a first random access point and ending with a picture located immediately-before a second I picture which is a second random access point;

a playback picture specification unit operable to specify pictures, among the group of pictures included in the random access unit, which are needed for the trick-play, based on a result of the analysis performed by said analysis unit; and

a decoding unit operable to decode the pictures specified by said playback picture specification unit and play back the decoded pictures,

wherein the supplemental information indicates pieces of picture type information of the group of pictures, and the pieces of picture type information are placed in an order that corresponds to a decoding order of the group of pictures, and

the coded supplemental information is added to a coded picture corresponding to the first I picture.

36. (New)   A computer-readable recording medium on which a stream is recorded, the stream including pictures which constitute a moving picture and being reproduced by a moving picture decoding apparatus,

wherein the stream is structured so that supplemental information is added to a coded picture corresponding to a first I picture, and

the supplemental information is included in a random access unit, the random access unit including a group of pictures which belong to the pictures starting with a first I picture which is a

first random access point and ending with a picture located immediately-before a second I picture which is a second random access point, the supplemental information indicating pieces of picture type information of the group of pictures, and the pieces of picture type information being placed in an order that corresponds to a decoding order of the group of pictures.